

Title (en)
ROTOR MANUFACTURING METHOD

Title (de)
ROTORHERSTELLUNGSVERFAHREN

Title (fr)
PROCEDE DE FABRICATION DE ROTOR

Publication
EP 1983636 A4 20100407 (EN)

Application
EP 07708332 A 20070205

Priority
• JP 2007052425 W 20070205
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Abstract (en)
[origin: EP1983636A1] An object is to provide a rotor manufacturing method capable of reducing a rotor unbalance amount by controlling a magnet arrangement position in a rotor core and improving work efficiency when fixing a magnet to the rotor core by using resin. A lower surface (20b) of a rotor core (20) is arranged in a lower mold (30). A magnet (22) is arranged in a lower mold (30). A magnet (22) is contained in each of magnet containing holes (21) formed in the rotor core (20) in such a manner that a predetermined space is assumed between an upper surface (20a) of the rotor core (20) and an upper surface of the magnet (22). An upper mold (35) is arranged on the upper surface (20a) of the rotor core (20). The upper mold (35) and the lower mold (30) apply a pressure to the rotor core (20) and a molten resin is supplied with pressure from an internal diameter side via the predetermined space into the plurality of magnet containing holes (21) from respective cylinder (36) arranged in the upper mold (35). Thus, the magnets (22) are molded by resin (41) while pressing the magnets (22) toward the outer diameter side of the magnet containing holes (21).

IPC 8 full level
H02K 1/22 (2006.01); **H02K 1/27** (2006.01); **H02K 15/03** (2006.01)

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Citation (search report)
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